

AMENDED CLAIMS

[received by the International Bureau on 27 July 2005 (27.07.05);
original claims 1-10 replaced by amended claims 1-9 (2 pages)]

1. A device for optical signaling an incoming call in a telecommunication terminal, said terminal comprising acoustic means (101,102) for signaling the incoming call
5 with an acoustic signal and said device comprising light sources (201-20n) for signaling said incoming call with an optical signal, said device further comprising timing means (505-540) coupled to the acoustic means which are adapted to deliver a control signal to the light sources in such a way that the optical signal depends on a chronological sequence of individual tones of the acoustic signal.
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2. A device as claimed in claim 1, further comprising an envelope detector (505) for detecting an amplitude of the acoustic signal, and a threshold comparator (510) for generating a pulse signal when the amplitude exceeds a predetermined threshold.
- 15 3. A device as claimed in claim 2, wherein the threshold comparator is an adjustable hysteresis comparator.
4. A device as claimed in claim 2, further comprising a dynamic detector (520), which controls the threshold comparator (510) in dependence on the amplitude of the
20 individual tones of the acoustic signal.
5. A device as claimed in claim 4, wherein the dynamic detector is a low pass filter.
- 25 6. A device as claimed in claim 4, further comprising a shift register (540) coupled to the light sources, an output of the threshold comparator serving as a clock signal for said shift register.
7. A device as claimed in claim 6, further comprising a signal pause detector
30 (530) for receiving the output of the threshold comparator and for delivering a direction reversing signal to a direction reversing input (SL/SR) of the shift register in case of a pause in the acoustic signal.

8. A device as claimed in claim 6, wherein said light sources are spatially arranged in a predetermined order so as to be illuminated successively according to a running light.

5 9. A telecommunication terminal comprising a device as claimed in claim 1.